Abstract

The present invention provides an exhaust gas cleaning catalyst containing a tetragonal-system composite oxide which is produced through a neutralization coprecipitation-drying-firing method and which is represented by A_2BO_4 (wherein A represents at least one member selected from the group consisting of Ca, Sr, and Ba; and B represents at least one member selected from the group consisting of Mn, Fe, Ti, Sn, and V), and a noble metal component which is present in the tetragonal-system composite oxide as a solid solution or which is carried by the composite oxide. The invention also provides a method for producing the tetragonal-system composite oxide. The exhaust gas cleaning catalyst exhibits high catalytic activity at low temperature and excellent heat resistance, thereby attaining reliable exhaust gas purification performance.